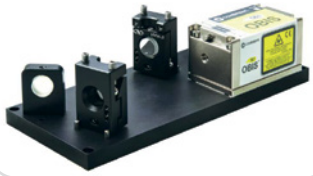
MULTILINE
LaserBank

DATASHEET

Flexible, modular, upgradeable and ergonomic
Laser Launch for the biosciences



To take advantage of the introduction of increasingly powerful diode and other compact solid-state lasers at a wide range of wavelengths we have recently re-engineered our MultiLine LaserBank. The new design offers the flexibility to have multiple output ports via single or multi-mode fibres for TIRF, FRAP, photolysis, Spinning Disk Confocal, OptoGenetics and other research applications. The LaserBank is upgradeable and alignable on-site, and, as well as being a core component in our high end imaging systems, it is also designed as a standalone unit for biophysics laboratories or OEM suppliers to house their own lasers.

The system can accommodate up to six lasers which can be combined into up to eight different fibres with arbitrary light distribution or sharing of wavelengths between ports. Mechanical shutters and galvanometer switching modules are available as required. The lasers can be controlled using the Cairn MultiLine controller with computer and / or front panel digital and analogue modulation, or used with the laser manufacturer or other third-party power supply.

APPLICATIONS

- Spinning disk and other multipoint confocal imaging
- Point-scanning confocal imaging
- Multi-channel TIRF
- FRAP
- Photolysis
- Optogenetics
- Simultaneous multi Z depth imaging

KEY BENEFITS

- Houses up to six laser modules (or more on request)
- Combination of up to eight single-mode and multi mode-fibre outputs
- Flexible combination of wavelengths
- Fast analogue and digital modulation from PC or front panel
- Multiple interlocks and safety shutters
- Fast galvanometer switching option
- Dedicated support for ILAS 2 and X-Light Systems
- TriLine (three laser version) now available

CAIRN RESEARCH
www.cairn-research.co.uk

89 NORTH

tel: + 1.802.881.0302 email: info@89north.com
toll free 1.877.417.8313 www.89north.com